

0068740

SAF-RC-001
Industrial Hygiene Sampling
FINAL DATA

NO DISTRIBUTION REQUIRED

COMMENTS:

SDG

05-A-6823

SAF-RC-001

Rad only ☒ Chem only Rad & Chem

☒ Complete Partial

100N Area 183N Bldg

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**DATA
CHEM**
LABORATORIES, INC.

Test Report
Page 1 of 2
12/16/05

SUBMITTED TO:

Denise Pitts
Washington Closure Hanford
3070 George Washington Way, MSIN L1-07
Richland, WA 99354



REFERENCE DATA:

Client Sample Nos.:	J10T39 through J10RY8
P.O. Number:	Not Available
Sample Location:	100N / 183N
Sample Type:	MCE Air Filters
Method Reference:	Airborne Fibers by Phase Contrast Microscopy (PCM) NIOSH Method 7400, Fourth Edition, (dated 8/15/94)
Date Received:	12/15/2005
DCL Sample Set ID No.:	05-A-6823
DCL Sample Nos.:	05-43223 through 05-43228

The samples indicated on the following data sheet(s) were analyzed in accordance with the NIOSH Method 7400 outlined in the NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, dated 8/15/94. This method requires that samples have a minimum volume of 400 Liters on a single sample or on consecutive samples and that 2 field blanks (or 10% of the total samples, whichever is greater) be submitted with each set. The results reported are not field blank corrected. Blanks receive a 100-field count, and data are reported as Fibers/Field for use in background correction.

Results are tabulated on the following page(s). Results are reported in Fibers/mm², Fibers per Filter and Fibers/mL (Fibers/cc). Concentrations in Fibers/mL are based on sample volumes or flow rates and times provided by the client. Results for all samples are based on the use of a 0.8- μ m pore size, 25-millimeter diameter filter having an effective collection area of 385 mm². Report applies only to portion(s) of sample(s) analyzed. Samples will be disposed of after 60 days unless otherwise instructed.

The limit of detection (LOD) for this method has been determined to be 7 Fibers/mm² for a sample volume of approximately 1200 Liters.

DataChem Laboratories adheres to the QA/QC guidelines set forth in this method that calls for 10% blind replicate analysis. The QA/QC officer maintains all QA/QC data at our laboratory.

DataChem Laboratories is American Industrial Hygiene Association (AIHA) accredited. Laboratory accreditation does not in any way constitute approval or endorsement by AIHA.

Angela Sohn
Analyst

Anna Marie Ristich
Reviewer

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CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3708
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE
11 SANTA YORBA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Washington Closure Hanford

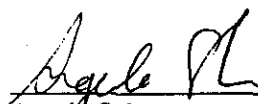
Sample Location: 100N / 183N

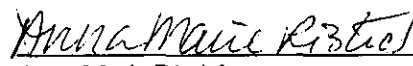
P.O. No.: Not Available

ANALYSIS INFORMATION								
Graticule Area (mm ²):	0.00817							
SAMPLE INFORMATION			SAMPLE RESULTS				LOD	
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm ²	Fib/Filter	Fib/mL	(Fib/mm ²)	(Fib/mL)
J10T39	05-43223	77.00	0.000	<LOD	<LOD	<LOD	7	0.035
J10CP8	05-43224	233.00	0.230	28	10,838	0.047	7	0.012
J10T03	05-43225	76.00	0.095	12	4,477	0.059	7	0.035
J10T04	05-43226	227.00	0.220	27	10,367	0.046	7	0.012
J10RY7	05-43227	NA	0.000	<LOD	<LOD	NA	7	NA
J10RY8	05-43228	NA	0.000	<LOD	<LOD	NA	7	NA

****Comments:** none.

***NOTES:** "NA" indicates no volume was given or the sample is a blank.
All samples counted using the "A" rules.


Angela Sohn
Analyst


Anna Marie Ristich
Reviewer

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5-A-6823

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: Patrick Vichit		Company Contact Denise A. Pitts and Henry W. Ruby		Telephone No. 531-1229		Project Coordinator Joan H. Kessner		Data Turnaround Standard	
Payroll #: 73219		Sampling Location 100 N / 183 N		SPECIAL INSTRUCTIONS All relevant COAs must be provided: R183 N05451		SAF No. RC-001			
Type of Sample: Asbestos		Wipe Sample Media: Ghost <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Other _____		ANALYSIS METHOD (SPECIFIC): NIOSH 7400		Method of Shipment Federal Express			
Shipped To: Data Chem Cincinnati, OH						Bill of Lading/Air Bill No. 853418117441			
POSSIBLE SAMPLE HAZARD/REMARKS Asbestos		MATRIX A - AIR WI - WIPE X - OTHER		Preservation (i.e., cooling required, etc.)		No		No	
Special Handling and/or Storage Na						No		No	
SAMPLE ANALYSIS					Asbestos Airborne	Asbestos Airborne	Beryllium Airborne	Beryllium Wipe	Mold
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L) or Area (sq ft)	Comments					
J10T39	A	12-8-05	77	Excursion	X	43223			
J10CP8	A		233	Personal	X	43224			
J10T03	A		76	Excursion	X	43225			
J10T04	A		227	Personal	X	43226			
J10RY7	A		Na	Blank	X	43227		12-8-05	
J10RY8	A	12-8-05	Na	Blank	X	43228			

Enter on line below the first Sample Number from Page One:

J10T39

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			
SIGN / PRINT NAMES / USE MILITARY TIME			
Relinquished By/Signat:	DATE / TIME	Received By/Signat:	DATE / TIME
K. Vint / Patrick Vichit	12-8-05 1615	M0425/422, locked rm #4	12-8-05 1615
Relinquished By/Signat:	DATE / TIME	Received By/Signat:	DATE / TIME
J. Wolf / Danu Wolf	12/13/05 1630	3746 Bldg, R-16, Labeled Cabinet	12/13/05 1630
Relinquished By/Signat:	DATE / TIME	Received By/Signat:	DATE / TIME
Room 16 / 3746 Bldg.			
B. Green / B. Green	12/14/05 1440	RZ Steffler R.Z. Steffler	12-14-05 1440
Relinquished By/Signat:	DATE / TIME	Received By/Signat:	DATE / TIME
RZ Steffler R.Z. Steffler	12-14-05 1500	Fed Ex	
Relinquished By/Signat:	DATE / TIME	Received By/Signat:	DATE / TIME
Feeders			12/18/05 1052
Relinquished By/Signat:	DATE / TIME	Received By/Signat:	DATE / TIME
Relinquished By/Signat:	DATE / TIME	Received By/Signat:	DATE / TIME
Relinquished By/Signat:	DATE / TIME	Received By/Signat:	DATE / TIME
Relinquished By/Signat:	DATE / TIME	Received By/Signat:	DATE / TIME
LABORATORY SECTION	Received By	Title	DATE / TIME
			12/18/05 1052

REVIEWED BY:

DATE:

PRINT/SIGN NAME

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

[illegible]

Enter on line below the first Sample Number from Page One:

J10T39

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			
SIGN / PRINT NAMES / USE MILITARY TIME			
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
<i>Patrick Vickit</i>	12-8-05 1615	M04251424, locked rm #4	12-8-05 1615
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
<i>Danul Wolf</i>	12/13/05 1630	3746 Bldg, R-16, Lcd Lt	12/13/05 1630
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Room 16 3746 Bldg.			
<i>B. Green Whalley</i>	12/14/05 1440	RZ Steffler <i>R.Z. Steffler</i>	12-14-05 1440
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
<i>RZ Steffler R.Z. Steffler</i>	12-14-05 1500	Fed Ex	
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
Relinquished By/Stored:	DATE / TIME	Received By/Stored:	DATE / TIME
LABORATORY SECTION	Received By	Title	DATE / TIME

REVIEWED BY: _____ DATE: _____

PRINT/SIGN NAME